



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Application No.:

10/773,701

Confirmation No.:

7812

Filed:

February 06, 2004

Inventors:

Lin et al.

Title:

TETRACALCIUM

PHOSPHATE (TTCP) HAVING CLACIUM

PSHOPHATE WHISKER ON SURFACE AND PROCESS FOR PREPARING SAME Examiner:

Theisen, Mary Lynn

Art Unit:

1754

Atty. Dkt. No:

5937-00205/EBM

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8

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INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

It is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents (references B1, B2, C1-C55, OA1-OA8 and PC1-PC8) are enclosed for the convenience of the Examiner.

Inventors: Lin et al. Appl. Ser. No.: 10/773,701 Atty. Dckt. No.: 5937-00205

Applicant believes no fees are due with this submission. Should any other fees be required, the Commissioner is authorized to charge said fees to Meyertons, Hood, Kivlin, Kowert & Goetzel, P.C. Deposit Account No. 50-1505/5937-00205/EBM.

Respectfully submitted,

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Date: _



Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information

Disclosure Statement (Use several sheets if necessary) ATTY. DOCKET NO: 5937-00205

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U.S. PATENT DOCUMENTS

EXAM. INITIALS	REF. DES	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	P1	3679360	25-Jul-1972	Rubin et al.			
	P2	4371484	1-Feb-1984	Inukai et al.			
	Р3	4481175	6-Nov-1984	Iino et al.			
	P4	4612053	16-Sep-1986	Brown et al.			,
	P5	RE33161	6-Feb-1990	Brown et al.			
	P6	4959104	25-Sep-1990	Iino et al.			
	P7	5017518	21-May-1991	Hirayama et al.			
	P8	5053212	1-Oct-1991	Constantz et al.		-	
	P9	5092888	3-Mar-1992	Iwamoto et al.			
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	P20	5652016	29-Jul-1997	Shiro et al.			
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	P26	5846312	8-Dec-1998	Ison et al.			
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	P30	6013591	11-Jan-2000	Ying et al.			
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	P32	6123731	26-Sep-2000	Boyce et al.			
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	PA1	20020019635	14-Feb-2002	Wenstrom, Jr. et al.			
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	PA3	20030031698	13-Feb-2003	Roeder et al.			

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ATTY. DOCKET NO: 5937-00205 SERIAL NO: 10/773,701 Form PTO-1449 (modified) List of Patents and Publications APPLICANT: Lin et al. ART UNIT: 1754 For Applicant's Information Disclosure Statement FILING DATE: February 06, 2004 CONF. NO.: 7812 (Use several sheets if necessary) U.S. PATENT DOCUMENTS FILING DATE **CLASS SUB** EXAM. REF. **DOCUMENT** DATE **NAME** CLASS INITIALS DES **NUMBER** APPROPRIATE FOREIGN PATENT DOCUMENTS TRANSLATIO CLASS **DATE COUNTRY SUB** EXAM. REF. **CLASS** INITIALS DES YES/NO **B**1 Abstract 06-228011 16-Aug-1994 ΙP B2 WO 03/055418 10-Jul-2003 PCT **OTHER ART** (Including Author, Title, Date, Pertinent Pages, Etc.) Sugawara et al., "Calcium Phosphate Cement: An In Vitro study of Dentin Hypersensitivity", The Journal of C1 the Japanese Society for Dental Materials and Devices, 1989, Vol. 8, pp. 282-294. Pickel et al., "The Effect of a Chewing Gum Containing Dicalcium Phosphate on Salivary Calcium and C2Phosphate", Ala. J. Med. Sci. 1965, Vol. 2, pp. 286-287. Matsuya et al., "Effects of pH on the Reactions of Tetracalcium Phosphate and Dicalcium Phosphate", IADR C3 Abstact 1991. Sugawara et al., "Formation of Hydroxyapatite in Hydrogels from Tetracalcium Phosphate/Dicalcium C4 Phosphate Mixtures," J. Nihon. Univ. Sch. Dent., 1989, Vol. 31, pp 372-381. Hong et al., The Periapical Tissue Reactions to a Calcium Phosphate Cement in the Teeth of Monkeys," J C5 Biomed Mater Res. April 1991, Vol. 25(4), pp. 485-98. DeRijk, et al., "Clinical Evaluation of a Hydroxyapatite Precipitate for the Treatment of Dentinal C₆ Hypersensitivity, Biomedical Engineering v. Recent Developments," Proc of 5th Southern Biomedical Engineering Conference, 1986, pp. 336-339. (Pergamon Press, New York) Gruninger et al. "Evaluation of the Biocompatibility of a New Calcium Phosphate Setting Cement," J. Dent C7 Res. 1984, 63 Abst. No. 270 (4 pages). Costantino et al., "Evaluation of a New Hydroxyapatite Cement: Part III, Cranioplasty ina Cat Model, The C8 Fifth Intl. Symposium on Facial Plastic Reconstructive Surgery of the Head and Neck, Toronto, Canada 1989. (18 pages) Shindo, et al., "Facial Skeletal Augmentation Using Hydroxyapatite Cement," Arch. Otolaryngol. Head C9 Neck Srug. 1993, Vol. 119, pp. 185-190. C10 Briner et al., "Significance of Enamel Remineralization", J. Dent. Res. 1974, Vol. 53, pp. 239-243. C11 Silverstone, "Remineralization Phenomena", Caries Res. 1977, Vol. 11 (Supp. 1), pp. 59-84. Costantino et al., "Hydroxyapatite Cement--Basic Chemistry and Histologic Properties," Arch. of Otolaryngology--Head & Neck Surgery, 1991, Vol. 117, pp. 379-394.

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	C52	Chow, "Calcium Phosphat	e Materials: Rea	ctor Response" Adv Dent Res	1988, Vol 2	(1), pp. 181-	184.	
	C53	Fukase et al., "Setting Reactions and Compressive Strengths of Calcium Phosphate Cements", J Dent Res 1990, Vol 69(12), pp. 1852-1856.						
	C54	Miyazaki et al., "Chemical Change of Hardened PCA/CPC Cements in Various Storing Solutions", The Journal of the Japanese Soc. for Dental Materials and Devices, 1992, Vol. 11, No. 2, pp.48-64.						
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	OA1	U.S. Patent and Trademar mailed February 22, 2005 (communication" for U.S. App	lication Se	rial No. 10/	944,278	
-	OA3			Communication" for U.S. App	plication Se	rial No. 09/	615,384,	
	OA4	U.S. Patent and Trademar mailed March 22, 2002.	k Office, "Office	Communication" for U.S. App	plication Se	rial No. 09/	615,384,	
	OA5	U.S. Patent and Trademar mailed October 18, 2001.	k Office, "Office	Communication" for U.S. App	plication Se	rial No. 09/	615,384,	
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	PC1	Claims from Co-Pending U	Claims from Co-Pending United States Patent Appl. Ser. No. 10/773,701, 3 pages						
	PC2	Claims from Co-Pending U	Claims from Co-Pending United States Patent Appl. Ser. No. 10/944,278, 3 pages						
	PC3	Claims from Co-Pending United States Patent Appl. Ser. No. 10/940,922, 4 pages							
	PC4	Claims from Co-Pending United States Patent Appl. Ser. No. 10/780,728, 6 pages							
	PC5	Claims from Co-Pending United States Patent Appl. Ser. No. 10/852,167, 7 pages							
	PC6	Claims from Co-Pending United States Patent Appl. Ser. No. 10/982,660, 3 pages							
	PC7	C7 Claims from Co-Pending United States Patent Appl. Ser. No. 10/145,901, 3 pages							
	PC8 Claims from Co-Pending United States Patent Appl. Ser. No. 10/607,023, 1 page								
	PC9	Claims from Co-Pending U	Jnited States Pat	ent Appl. Ser. No. 10/414,582,	5 pages				
	PC10	Claims from Co-Pending I	Jnited States Pal	ent Appl. Ser. No. 10/633,511,	6 pages				

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